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**Serial Number:** 10/792,207

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**2.) See attached EAST Inventor Search  
Printout shows Inventor search terms**

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 PALM INTRANET

## Inventor Information for 10/792207

| Inventor Name  | City          | State/Country |
|----------------|---------------|---------------|
| PEI, XING      | THOUSAND OAKS | CALIFORNIA    |
| KROLL, MARK W. | SIMI VALLEY   | CALIFORNIA    |

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| US 20050284412 A1 | US-PGPUB | 20051229 | Domestic animal telephone   | 119/719    |                                    | Kroll, Mark W.                 |
| US 20050261743 A1 | US-PGPUB | 20051124 | System and method for automated fluid monitoring  | 607/8      |                                    | Kroll, Mark W.                 |
| US 20050229425 A1 | US-PGPUB | 20051020 | Ambulatory hairdryer  | 34/283     | 34/99                              | Kroll, Mollie B. et al.        |
| US 20050197676 A1 | US-PGPUB | 20050908 | Electrical cardiac output forcer  | 607/17     |                                    | Kroll, Kai et al.              |
| US 20050197673 A1 | US-PGPUB | 20050908 | Left heart implantable cardiac stimulation system with clot prevention and method   | 607/9      |                                    | Kroll, Mark W.                 |
| US 20050168681 A1 | US-PGPUB | 20050804 | Tan-thru glasses  | 351/44     |                                    | Kroll, Mark W. et al.          |
| US 20050085862 A1 | US-PGPUB | 20050421 | Implantable cardiac stimulation device including an output circuit that provides arbitrarily shaped defibrillation waveforms    | 607/5      |                                    | Moulder, J. Christopher et al. |
| US 20050072429 A1 | US-PGPUB | 20050407 | Breathing gas therapeutic method and apparatus  | 128/205.27 | 128/202.12; 128/204.18; 128/205.25 | Kroll, Mark W.                 |
| US 20050055900 A1 | US-PGPUB | 20050317 | Toddler stair safety system   | 52/182     |                                    | Kroll, Lori C. et al.          |
| US 20050004507 A1 | US-PGPUB | 20050106 | Method and device for treating cancer with electrical therapy in conjunction with chemotherapeutic agents and radiation therapy | 604/20     |                                    | Schroeppel, Edward A. et al.   |
| US 20040254618 A1 | US-PGPUB | 20041216 | Implantable device and method for the electrical treatment of cancer  | 607/74     |                                    | Schroeppel, Edward A. et al.   |
| US 20040103553 A1 | US-PGPUB | 20040603 | Ambulatory hairdryer  | 34/96      | 34/97                              | Kroll, Mollie Beth et al.      |
| US 20040088012 A1 | US-PGPUB | 20040506 | Implantable stimulation device with isolating system for minimizing magnetic induction  | 607/9      |                                    | Kroll, Mark W. et al.          |
| US 20040078065 A1 | US-PGPUB | 20040422 | System and method for monitoring blood glucose levels using an  | 607/60     |                                    | Kroll, Mark W.                 |

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| US 20040077962 A1 | US-PGPUB | 20040422 | System and method for monitoring blood glucose levels using an implantable medical device                                       | 600/513    |   | Kroll, Mark W.               |
| US 20040073261 A1 | US-PGPUB | 20040415 | Methods and systems for treating ventricular fibrillation   | 607/5      |   | Kroll, Mark W.               |
| US 20040044373 A1 | US-PGPUB | 20040304 | Method and apparatus for electrically forcing cardiac output in an arrhythmia patient   | 607/14     |   | Kroll, Kai et al.            |
| US 20040039382 A1 | US-PGPUB | 20040226 | Even temperature linear lesion ablation catheter  | 606/41     |   | Kroll, Mark W. et al.        |
| US 20040018845 A1 | US-PGPUB | 20040129 | Nuisance cell phone locator   | 455/456.1  | 455/404.2;<br>455/422.1;<br>455/427;<br>455/456.2 | Kroll, Mark W.               |
| US 20040010290 A1 | US-PGPUB | 20040115 | Method and device for treating cancer with electrical therapy in conjunction with chemotherapeutic agents and radiation therapy | 607/3      |   | Schroeppel, Edward A. et al. |
| US 20040003815 A1 | US-PGPUB | 20040108 | Altitude adjustment method and apparatus  | 128/206.21 | 128/205.11  | Kroll, Mark W.               |
| US 20030160588 A1 | US-PGPUB | 20030828 | Implantable cardioverter defibrillator with switchable power source and patient warning system cardiac device                   | 320/103    |   | Kroll, Mark W.               |
| US 20030149453 A1 | US-PGPUB | 20030807 | System and method for evaluating risk of mortality due to congestive heart failure using physiologic sensors                    | 607/17     |   | Kroll, Mark W. et al.        |
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| US 20030083719 A1 | US-PGPUB | 20030501 | Implantable cardiac therapy device with dual chamber can to isolate high-frequency circuitry     | 607/60    |                                       | Shankar, Balakrishnan et al. |
| US 20030069624 A1 | US-PGPUB | 20030410 | XY selectable lead assembly  | 607/122   |                                       | Kroll, Mark W.               |
| US 20030050088 A1 | US-PGPUB | 20030313 | Self defense cell phone with projectiles   | 455/550.1 |                                       | Kroll, Chase R. et al.       |
| US 20030045910 A1 | US-PGPUB | 20030306 | Pacing mode to reduce effects of orthostatic hypotension and syncope                             | 607/23    |                                       | Sorensen, Chris et al.       |
| US 20030040778 A1 | US-PGPUB | 20030227 | Orientation of patient's position sensor using external field                                    | 607/17    |                                       | Kroll, Mark W. et al.        |
| US 20030040776 A1 | US-PGPUB | 20030227 | Detection of patient's position and activity status using 3D accelerometer-based position sensor | 607/9     |                                       | Kroll, Mark W. et al.        |
| US 20030003950 A1 | US-PGPUB | 20030102 | Self defense cellular telephone  | 455/557   |                                       | Kroll, Chase R. et al.       |
| US 20020157165 A1 | US-PGPUB | 20021031 | Light selective sports garments  | 2/69      | 2/102;<br>2/227;<br>2/410;<br>2/DIG.3 | Kroll, Mark W. et al.        |
| US 20020156506 A1 | US-PGPUB | 20021024 | Disposable defibrillator   | 607/5     |                                       | Kroll, Mark W. et al.        |
| US 20020153416 A1 | US-PGPUB | 20021024 | Magnetic card swipe signature security system  | 235/380   |                                       | Kroll, Mark W.               |
| US 20020120318 A1 | US-PGPUB | 20020829 | His bundle sensing device and associated method  | 607/149   |                                       | Kroll, Mark W. et al.        |
| US 20020106059 A1 | US-PGPUB | 20020808 | Public service answering point with automatic triage capability                                  | 379/45    |                                       | Kroll, Mark W. et al.        |
| US 20020077676 A1 | US-PGPUB | 20020620 | Implantable device and method for the electrical treatment of cancer                             | 607/75    | 607/2                                 | Schroeppel, Edward A. et al. |
| US 20020033023 A1 | US-PGPUB | 20020321 | Nitrogen-based refrigerator crisper  | 62/78     |                                       | Kroll, Mark W. et al.        |
| US 20020002389 A1 | US-PGPUB | 20020103 | Cardiac stimulation devices and methods for measuring impedances                                 | 607/8     |                                       | Bradley, Kerry et al.        |

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|                   |          |          | associated with the left side of the heart   |         |   |                            |
| US 20010049543 A1 | US-PGPUB | 20011206 | Method and apparatus for biventricular stimulation and capture monitoring  | 607/28  |   | Kroll, Mark W.             |
| US 20010044645 A1 | US-PGPUB | 20011122 | Temporary atrial cardioversion catheter  | 607/122 | 604/532   | Hofstad, Michael L. et al. |
| US 20010031992 A1 | US-PGPUB | 20011018 | System and method of generating a high efficiency biphasic defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD)        | 607/5   |   | Fishler, Matthew G. et al. |
| US 20010013766 A1 | US-PGPUB | 20010816 | Thermal battery emergency system   | 320/104 |   | Kroll, Mark W. et al.      |
| US 20010007325 A1 | US-PGPUB | 20010712 | Wind and insect resistant picnic system  | 220/574 | 206/499;<br>206/813;<br>229/400;<br>229/407;<br>53/475;<br>53/540 | Kroll, Mark W. et al.      |
| US 7029443 B2     | USPAT    | 20060418 | System and method for monitoring blood glucose levels using an implantable medical device  | 600/365 | 600/513;<br>607/22  | Kroll; Mark W.             |
| US 7024243 B1     | USPAT    | 20060404 | System and methods for preventing, detecting, and terminating pacemaker mediated tachycardia in biventricular implantable cardiac stimulation device | 607/14  | 600/518   | Bornzin; Gene A. et al.    |
| US 7020521 B1     | USPAT    | 20060328 | Methods and apparatus for detecting and/or monitoring heart failure  | 607/14  |   | Brewer; James E. et al.    |
| US 7016720 B2     | USPAT    | 20060321 | System and method for monitoring blood glucose levels using an implantable medical device  | 600/513 | 600/365   | Kroll; Mark W.             |

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| US 7010358 B1 | USPAT | 20060307 | Single lead system for high voltage CHF device   | 607/122    |                | Kroll; Mark W. et al.      |
| US 7010346 B1 | USPAT | 20060307 | Implantable medical device having atrial tachyarrhythmia prevention therapy                                      | 607/14     |                | Schloss; Harold C. et al.  |
| US 7006867 B1 | USPAT | 20060228 | Methods and apparatus for overdrive pacing multiple atrial sites using an implantable cardiac stimulation device | 607/14     | 607/17         | Kroll; Mark W.             |
| US 7006347 B1 | USPAT | 20060228 | Low deformation electrolytic capacitor   | 361/503    | 361/508; 607/5 | Kroll; Mark W. et al.      |
| US 7003348 B1 | USPAT | 20060221 | Monitoring cardiac geometry for diagnostics and therapy  | 607/17     | 600/508        | Brewer; James E. et al.    |
| US 6997180 B2 | USPAT | 20060214 | Breathing gas therapeutic method and apparatus   | 128/202.12 | 128/205.11     | Kroll; Mark W.             |
| US 6993379 B1 | USPAT | 20060131 | System and method for emulating a surface EKG using an implantable cardiac stimulation device                    | 600/510    | 600/509        | Kroll; Mark W. et al.      |
| US 6987999 B1 | USPAT | 20060117 | Implantable defibrillator with alternating counter electrode   | 607/5      |                | Kroll; Mark W.             |
| US 6980850 B1 | USPAT | 20051227 | System and method for emulating a surface EKG using an implantable cardiac stimulation device                    | 600/509    |                | Kroll; Mark W. et al.      |
| US 6964116 B2 | USPAT | 20051115 | Ambulatory hairdryer   | 34/96      | 2/174; 34/99   | Kroll; Mollie B. et al.    |
| US 6961615 B2 | USPAT | 20051101 | System and method for evaluating risk of mortality due to congestive heart failure using physiologic sensors     | 607/18     |                | Kroll; Mark W. et al.      |
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| US 6937896 B1 | USPAT | 20050830 | Sympathetic nerve stimulator and/or pacemaker   | 607/9      |   | Kroll; Mark W.            |
| US 6931278 B1 | USPAT | 20050816 | Implantable cardioverter defibrillator having fast action operation                           | 607/5      |   | Kroll; Mark W. et al.     |
| US 6928321 B1 | USPAT | 20050809 | Hypnosis augmented ICD  | 607/5      |   | Kroll; Mark W.            |
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| US 6865420 B1 | USPAT | 20050308 | Cardiac stimulation device for optimizing cardiac output with myocardial ischemia protection  | 607/25     |   | Kroll; Mark W.            |
| US 6862475 B1 | USPAT | 20050301 | Pediatric rate varying implantable cardiac device   | 607/9      |   | Kroll; Mark W.            |
| US 6854844 B2 | USPAT | 20050215 | Tan-thru sunglasses   | 351/44     | 351/111                                     | Kroll; Mark W. et al.     |
| US 6853859 B1 | USPAT | 20050208 | Electrical cardiac output forcer  | 607/5      | 607/17;<br>607/6                            | Kroll; Kai et al.         |
| US 6826427 B1 | USPAT | 20041130 | Methods and devices for inhibiting battery voltage delays in an implantable cardiac device    | 607/29     | 607/5                                       | Fayram; Timothy A. et al. |
| US 6820619 B2 | USPAT | 20041123 | Altitude adjustment method and apparatus  | 128/205.11 | 128/204.22;<br>128/205.27;<br>128/205.28    | Kroll; Mark W.            |
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| US 6813514 B1 | USPAT | 20041102 | System and method for emulating a surface EKG using an implantable cardiac stimulation device | 600/509    |   | Kroll; Mark W. et al.     |
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| US 6775571 B1 | USPAT | 20040810 | Dynamic control of overdrive pacing based on degree of randomness within heart rate   | 607/9   |  | Kroll; Mark W.        |
| US 6772007 B1 | USPAT | 20040803 | System and method of generating a low-pain multi-step defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD)                    | 607/7   | 607/5;<br>607/63                       | Kroll; Mark W.        |
| US 6766194 B1 | USPAT | 20040720 | Dynamic control of overdrive pacing based on degree of randomness within heart rate   | 607/9   | 607/4                                  | Kroll; Mark W.        |
| US 6763266 B1 | USPAT | 20040713 | System and method of generating a low-pain multi-step defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD)                    | 607/7   | 607/5;<br>607/63;<br>607/68;<br>607/74 | Kroll; Mark W.        |
| US 6760625 B1 | USPAT | 20040706 | Battery monitoring system for an implantable medical device   | 607/29  |  | Kroll; Mark W.        |
| US 6751503 B1 | USPAT | 20040615 | Methods and systems for treating patients with congestive heart failure (CHF)   | 607/18  |  | Kroll; Mark W.        |
| US 6748261 B1 | USPAT | 20040608 | Implantable cardiac stimulation device for and method of monitoring progression or regression of heart disease by monitoring interchamber conduction delays | 600/510 | 600/509;<br>607/9                      | Kroll; Mark W. et al. |
| US 6745073 B1 | USPAT | 20040601 | System and method of generating a low-pain  | 607/7   | 607/5                                  | Kroll; Mark W.        |

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| US 6714818 B1 | USPAT | 20040330 | System and method of generating an optimal three-step defibrillation waveform for use in an implantable cardioverter/defibrillator (ICD) | 607/5   | 607/72  | Fishler; Matthew G. et al.   |
| US 6694188 B1 | USPAT | 20040217 | Dynamic control of overdrive pacing based on degree of randomness within heart rate  | 607/14  |   | Kroll; Mark W.               |
| US 6687542 B2 | USPAT | 20040203 | XY selectable lead assembly  | 607/9   |   | Kroll; Mark W.               |
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| US 6609027 B2 | USPAT | 20030819 | His Bundle sensing device and associated method  | 607/9      |   | Kroll; Mark W. et al. |
| US 6590534 B1 | USPAT | 20030708 | Electronic car locator   | 342/442    | 342/419;<br>342/457                               | Kroll; Mark W. et al. |
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| US 6578499 B2 | USPAT | 20030617 | Wind and insect resistant picnic system  | 108/90     |   | Kroll; Mark W. et al. |
| US 6567697 B1 | USPAT | 20030520 | External defibrillator with electrical CPR assist  | 607/5      |   | Kroll; Kai et al.     |
| US 6561185 B1 | USPAT | 20030513 | Altitude adjustment method and apparatus   | 128/202.12 | 128/205.11  | Kroll; Mark W.        |
| US 6560974 B2 | USPAT | 20030513 | Nitrogen-based refrigerator crisper  | 62/78      | 62/179  | Kroll; Mark W. et al. |
| US 6560484 B1 | USPAT | 20030506 | Method and apparatus for electrically forcing cardiac output in an arrhythmia patient  | 607/5      | 607/10;<br>607/4                                  | Kroll; Kai et al.     |
| US 6549807 B1 | USPAT | 20030415 | Implantable cardioverter defibrillator having a rechargeable, fast-charging battery and method thereof   | 607/34     |   | Kroll; Mark W.        |
| US 6549806 B1 | USPAT | 20030415 | Implantable dual site cardiac stimulation device having independent automatic capture capability   | 607/27     |   | Kroll; Mark W.        |
| US 6539254 B1 | USPAT | 20030325 | Implantable ventricular cardioverter/defibrillator employing atrial pacing for preventing atrial fibrillation from ventricular cardioversion and defibrillation shocks | 607/4      | 607/14  | Kroll; Mark W.        |
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| US 6445950 B1 | USPAT | 20020903 | Implantable cardioverter/defibrillator employing shock delivery timing for preventing induced fibrillation  | 607/4   |                        | Kroll; Mark W. et al.      |
| US 6445949 B1 | USPAT | 20020903 | Implantable cardioversion device with a self-adjusting threshold for therapy selection  | 607/4   | 600/518;<br>607/14     | Kroll; Mark W.             |
| US 6442426 B1 | USPAT | 20020827 | Implantable ventricular cardioverter-defibrillator employing atrial pacing for preventing a trial fibrillation form ventricular cardioversion and defibrillation shocks | 607/4   | 607/14                 | Kroll; Mark W.             |
| US 6438426 B2 | USPAT | 20020820 | Temporary atrial cardioversion catheter   | 607/125 | 607/122;<br>607/5      | Hofstad; Michael L. et al. |
| US 6411844 B1 | USPAT | 20020625 | Fast recovery sensor amplifier circuit for implantable medical device   | 607/5   | 607/63                 | Kroll; Mark W et al.       |
| US 6408206 B1 | USPAT | 20020618 | Disposable external defibrillator   | 607/5   |                        | Kroll; Mark W. et al.      |
| US 6405922 B1 | USPAT | 20020618 | Keyboard signature security system  | 235/379 | 235/383                | Kroll; Mark W.             |
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| US 6366808 B1 | USPAT | 20020402 | Implantable device and method for the electrical treatment of cancer  | 607/2   | 607/72   | Schroeppel; Edward A. et al. |
| US 6350168 B1 | USPAT | 20020226 | Light selective sport garments  | 441/111 | 2/108;<br>2/115;<br>2/67; 2/69;<br>441/106;<br>441/112 | Kroll; Mark W. et al.        |
| US 6345200 B1 | USPAT | 20020205 | Implant guiding programmer for implantable cardioverter defibrillator   | 607/8   | 128/923  | Mouchawar; Gabriel A. et al. |
| US 6327498 B1 | USPAT | 20011204 | Implantable stimulation lead for use with an ICD device having automatic capture pacing features  | 607/4   | 600/509;<br>607/116;<br>607/122;<br>607/5              | Kroll; Mark W.               |
| US 6314319 B1 | USPAT | 20011106 | Method and apparatus for temporarily electrically forcing cardiac output in a tachyarrhythmia patient   | 607/5   |  | Kroll; Kai et al.            |
| US 6292694 B1 | USPAT | 20010918 | Implantable medical device having atrial tachyarrhythmia prevention therapy   | 607/9   |  | Schloss; Harold C. et al.    |
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| US 6219582 B1 | USPAT | 20010417 | Temporary atrial cardioversion catheter   | 607/122 |  | Hofstad; Michael L. et al.   |
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| US 6185457 B1 | USPAT | 20010206 | Method and apparatus for electrically forcing cardiac output in an arrhythmia patient          | 607/5      |                               | Kroll; Kai et al.       |
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| US 6167306 A  | USPAT | 20001226 | Method and apparatus for electrically forcing cardiac output in an arrhythmia patient          | 607/5      |                               | Kroll; Kai et al.       |
| US 6132426 A  | USPAT | 20001017 | Temperature and current limited ablation catheter  | 606/41     | 606/29;<br>606/34;<br>607/101 | Kroll; Mark W.          |
| US 6115597 A  | USPAT | 20000905 | Disposal emergency cellular phone  | 455/404.1  |                               | Kroll; Braden W. et al. |
| US 6112118 A  | USPAT | 20000829 | Implantable cardioverter defibrillator with slew rate limiting                                 | 607/5      |                               | Kroll; Mark W. et al.   |
| US 6101414 A  | USPAT | 20000808 | Method and apparatus for antitachycardia pacing with an optimal coupling interval              | 607/14     | 607/5                         | Kroll; Mark W.          |
| US 6093982 A  | USPAT | 20000725 | High voltage output array switching system   | 307/115    | 307/113;<br>307/125;<br>607/5 | Kroll; Mark W.          |
| US 6062474 A  | USPAT | 20000516 | ATM signature security system  | 235/382    | 235/379;<br>902/3;<br>902/5   | Kroll; Mark William     |
| US 6041255 A  | USPAT | 20000321 | Disposable external defibrillator  | 607/5      |                               | Kroll; Mark W.          |
| US 6007395 A  | USPAT | 19991228 | Sun tanning life vest  | 441/106    | 441/112                       | Kroll; Mark W.          |
| US 5988161 A  | USPAT | 19991123 | Altitude adjustment method and apparatus   | 128/202.12 | 128/203.25;<br>128/205.11     | Kroll; Mark W.          |
| US 5978703 A  | USPAT | 19991102 | Method and apparatus for temporarily electrically forcing                                      | 607/5      |                               | Kroll; Kai et al.       |

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|              |       |          | cardiac output in a tachyarrhythmia patient   |        |                    |                           |
| US 5957956 A | USPAT | 19990928 | Implantable cardioverter defibrillator having a smaller mass  | 607/5  |                    | Kroll; Mark W. et al.     |
| US 5944746 A | USPAT | 19990831 | ICD with continuous regular testing of defibrillation lead status   | 607/27 | 607/8              | Kroll; Mark W.            |
| US 5925068 A | USPAT | 19990720 | Method for determining an ICD replacement time  | 607/29 |                    | Kroll; Mark W.            |
| US 5925066 A | USPAT | 19990720 | Atrial arrhythmia sensor with drug and electrical therapy control apparatus                                   | 607/3  | 607/14             | Kroll; Kai et al.         |
| US 5913877 A | USPAT | 19990622 | Implantable defibrillator system for generating a biphasic waveform with enhanced phase transition            | 607/5  | 607/7              | Kroll; Mark W. et al.     |
| US 5906633 A | USPAT | 19990525 | System for delivering rounded low pain therapeutic electrical waveforms to the heart                          | 607/5  | 128/908;<br>607/63 | Mouchawar; Gabriel et al. |
| US 5904705 A | USPAT | 19990518 | Automatic battery-maintaining implantable cardioverter defibrillator and method for use                       | 607/5  | 607/29             | Kroll; Mark W. et al.     |
| US 5899923 A | USPAT | 19990504 | Automatic capacitor maintenance system for an implantable cardioverter defibrillator                          | 607/5  |                    | Kroll; Mark W. et al.     |
| US 5871510 A | USPAT | 19990216 | Method and apparatus for temporarily electrically forcing cardiac output as a backup for tachycardia patients | 607/14 |                    | Kroll; Kai et al.         |
| US 5871505 A | USPAT | 19990216 | Apparatus for generating biphasic waveforms in an implantable defibrillator                                   | 607/5  |                    | Adams; Theodore P. et al. |
| US 5861006 A | USPAT | 19990119 | System for selectively reforming an ICD   | 607/5  |                    | Kroll; Mark W.            |
| US 5836973 A | USPAT | 19981117 | Staged energy concentration for an implantable biomedical   | 607/5  |                    | Kroll; Mark W.            |

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|              |       |          | device  |         |                      |                            |
| US 5833712 A | USPAT | 19981110 | Implantable defibrillator system for generating a biphasic waveform   | 607/7   | 607/5;<br>607/74     | Kroll; Mark W. et al.      |
| US 5830236 A | USPAT | 19981103 | System for delivering low pain therapeutic electrical waveforms to the heart  | 607/5   |                      | Mouchawar; Gabriel et al.  |
| US 5827326 A | USPAT | 19981027 | Implantable cardioverter defibrillator having a smaller energy storage capacity                                       | 607/5   |                      | Kroll; Mark W. et al.      |
| US 5814075 A | USPAT | 19980929 | Method and apparatus for optimizing source allocation within an implantable cardioverter-defibrillator                | 607/5   | 607/34               | Kroll; Mark W.             |
| US 5782883 A | USPAT | 19980721 | Suboptimal output device to manage cardiac tachyarrhythmias   | 607/14  |                      | Kroll; Kai et al.          |
| US 5772690 A | USPAT | 19980630 | System having a surrogate defibrillation electrode for testing implantable cardioverter-defibrillators during implant | 607/7   |                      | Kroll; Mark W.             |
| US 5772689 A | USPAT | 19980630 | Implantable cardioverter-defibrillator with apical shock delivery   | 607/4   |                      | Kroll; Mark W.             |
| US 5761019 A | USPAT | 19980602 | Medical current limiter   | 361/58  | 128/908;<br>361/93.9 | Kroll; Mark W.             |
| US 5749910 A | USPAT | 19980512 | Shield for implantable cardioverter defibrillator   | 607/36  |                      | Brumwell; Dennis A. et al. |
| US 5741307 A | USPAT | 19980421 | Method for determining an ICD replacement time  | 607/5   | 607/29               | Kroll; Mark W.             |
| US 5741303 A | USPAT | 19980421 | Electrode back-charging pre-treatment system for an implantable cardioverter defibrillator                            | 607/5   |                      | Kroll; Mark W. et al.      |
| US 5738105 A | USPAT | 19980414 | Method and apparatus  | 600/510 | 600/374;             | Kroll; Mark                |



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|              |       |          | for sensing R-waves using both near field and far field sensing simultaneously  |         | 600/515;<br>607/5           | W.                    |
| US 5735878 A | USPAT | 19980407 | Implantable defibrillator having multiple pathways  | 607/5   |                             | Kroll; Mark W. et al. |
| US 5735876 A | USPAT | 19980407 | Electrical cardiac output forcing method and apparatus for an atrial defibrillator  | 607/5   |                             | Kroll; Kai et al.     |
| US 5733309 A | USPAT | 19980331 | Method and apparatus for capacitive switching output for implantable cardioverter defibrillator                             | 607/5   |                             | Kroll; Mark W. et al. |
| US 5718718 A | USPAT | 19980217 | Method and apparatus for polarity reversal of consecutive defibrillation countershocks having back biasing precharge pulses | 607/5   |                             | Kroll; Mark W. et al. |
| US 5713944 A | USPAT | 19980203 | Cardioversion-defibrillation catheter lead having selectively exposable outer conductors                                    | 607/122 |                             | Kroll; Mark W.        |
| US 5709709 A | USPAT | 19980120 | ICD with rate-responsive pacing   | 607/4   | 607/122;<br>607/6;<br>607/8 | Kroll; Mark W.        |
| US 5697953 A | USPAT | 19971216 | Implantable cardioverter defibrillator having a smaller displacement volume   | 607/5   |                             | Kroll; Mark W. et al. |
| US 5690685 A | USPAT | 19971125 | Automatic battery-maintaining implantable cardioverter defibrillator and method for use                                     | 607/5   | 607/29;<br>607/34           | Kroll; Mark W. et al. |
| US 5674248 A | USPAT | 19971007 | Staged energy concentration for an implantable biomedical device  | 607/5   |                             | Kroll; Mark W. et al. |
| US 5662696 A | USPAT | 19970902 | One piece disposable threshold test can electrode for use with an implantable cardioverter                                  | 607/116 | 607/36;<br>607/37;<br>607/8 | Kroll; Mark W. et al. |

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|              |       |          | defibrillator system   |         |  |                           |
| US 5662534 A | USPAT | 19970902 | Golf ball finding system   | 473/353 | 473/372  | Kroll; Braden W. et al.   |
| US 5658319 A | USPAT | 19970819 | Implantable cardioverter defibrillator having a high voltage capacitor                     | 607/7   | 607/5  | Kroll; Mark W.            |
| US 5649974 A | USPAT | 19970722 | Low profile defibrillation catheter  | 607/122 | 29/825   | Nelson; Randall S. et al. |
| US 5645573 A | USPAT | 19970708 | Optimal pulse defibrillator  | 607/7   |  | Kroll; Mark W. et al.     |
| US 5645572 A | USPAT | 19970708 | Implantable cardioverter defibrillator with slew rate limiting                             | 607/5   | 128/901; 607/36                                | Kroll; Mark W. et al.     |
| US 5643323 A | USPAT | 19970701 | System and method inducing fibrillation using an implantable defibrillator                 | 607/2   |  | Kroll; Mark W. et al.     |
| US 5620469 A | USPAT | 19970415 | Stepped cardioversion system for an implantable cardioverter defibrillator                 | 607/7   | 607/5  | Kroll; Mark W.            |
| US 5620464 A | USPAT | 19970415 | System and method for delivering multiple closely spaced defibrillation pulses             | 607/5   |  | Kroll; Mark W. et al.     |
| US 5607460 A | USPAT | 19970304 | Physician interface expert system for programming implantable arrhythmia treatment devices | 607/30  | 607/59   | Kroll; Mark W. et al.     |
| US 5591210 A | USPAT | 19970107 | Implantable defibrillation system and method for producing only short pulse waveforms      | 607/5   |  | Kroll; Mark W. et al.     |
| US 5591209 A | USPAT | 19970107 | Implantable defibrillator system for generating an active biphasic waveform                | 607/5   | 607/74   | Kroll; Mark W.            |
| US 5549933 A | USPAT | 19960827 | Process for painting snow  | 434/84  | 106/160.1; 427/136; 427/137; 427/212; 427/256; | Adams; Theodore P. et al. |

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|              |       |          |   |         | 427/427.3;<br>427/427.4 |                           |
| US 5549643 A | USPAT | 19960827 | Optimal pulse defibrillator   | 607/7   |                         | Kroll; Mark W. et al.     |
| US 5540721 A | USPAT | 19960730 | Process and apparatus for defibrillation system with a small capacitor                            | 607/5   | 607/74                  | Kroll; Mark W.            |
| US 5534015 A | USPAT | 19960709 | Method and apparatus for generating biphasic waveforms in an implantable defibrillator            | 607/7   | 607/5;<br>607/74        | Kroll; Mark W. et al.     |
| US 5531782 A | USPAT | 19960702 | Implantable medical electrode with reduced number of conductors                                   | 607/122 |                         | Kroll; Mark W. et al.     |
| US 5531770 A | USPAT | 19960702 | Device and method for determining defibrillation thresholds                                       | 607/8   |                         | Kroll; Mark W. et al.     |
| US 5531766 A | USPAT | 19960702 | Implantable cardioverter defibrillator pulse generator kite-tail electrode system                 | 607/5   | 607/36;<br>607/9        | Kroll; Mark W. et al.     |
| US 5531764 A | USPAT | 19960702 | Implantable defibrillator system and method having successive changeable defibrillation waveforms | 607/5   | 607/15                  | Adams; Theodore P. et al. |
| US 5527346 A | USPAT | 19960618 | Implantable cardioverter defibrillator employing polymer thin film capacitors                     | 607/5   |                         | Kroll; Mark W.            |
| US 5522853 A | USPAT | 19960604 | Method and apparatus for progressive recruitment of cardiac fibrillation                          | 607/5   |                         | Kroll; Mark W.            |
| US 5514160 A | USPAT | 19960507 | Implantable defibrillator for producing a rectangular-shaped defibrillation waveform              | 607/5   |                         | Kroll; Mark W. et al.     |
| US 5507781 A | USPAT | 19960416 | Implantable defibrillator system with capacitor switching circuitry                               | 607/7   | 607/5;<br>607/74        | Kroll; Mark W. et al.     |
| US 5458620 A | USPAT | 19951017 | Cardiac arrhythmia detection using interdependent multiple parameter settings                     | 607/5   | 128/925;<br>600/518     | Adams; Theodore P. et al. |

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| US 5454839 A | USPAT | 19951003 | Low profile defibrillation catheter   | 607/123 |                              | Anderson; Kenneth M. et al. |
| US 5449377 A | USPAT | 19950912 | Overcharged final countershock for an implantable cardioverter defibrillator and method                     | 607/7   |                              | Adams; Theodore P. et al.   |
| US 5447521 A | USPAT | 19950905 | Safety system for an implantable defibrillator  | 607/5   | 600/547;<br>607/37;<br>607/6 | Anderson; Kenneth M. et al. |
| US 5441518 A | USPAT | 19950815 | Implantable cardioverter defibrillator system having independently controllable electrode discharge pathway | 607/5   |                              | Adams; Theodore P. et al.   |
| US 5439482 A | USPAT | 19950808 | Prophylactic implantable cardioverter-defibrillator   | 607/5   | 607/36                       | Adams; Theodore P. et al.   |
| US 5431687 A | USPAT | 19950711 | Impedance timed defibrillation system   | 607/8   |                              | Kroll; Mark W.              |
| US 5431686 A | USPAT | 19950711 | Method for optimal pulse defibrillation using an implantable defibrillator                                  | 607/7   | 607/6                        | Kroll; Mark W. et al.       |
| US 5411526 A | USPAT | 19950502 | Improved implantable defibrillator system for producing true-voltage-pulse waveforms                        | 607/5   |                              | Kroll; Mark W. et al.       |
| US 5407444 A | USPAT | 19950418 | Staged energy concentration for a defibrillator   | 607/5   | 320/103;<br>320/166          | Kroll; Mark W.              |
| US 5405363 A | USPAT | 19950411 | Implantable cardioverter defibrillator having a smaller displacement volume                                 | 607/5   | 607/36                       | Kroll; Mark W. et al.       |
| US 5391186 A | USPAT | 19950221 | Method and apparatus for utilizing short tau capacitors in an implantable cardioverter defibrillator        | 607/5   |                              | Kroll; Mark W. et al.       |
| US 5391185 A | USPAT | 19950221 | Atrial cardioverter with ventricular protection   | 607/4   |                              | Kroll; Mark W.              |
| US 5383907 A | USPAT | 19950124 | System and method for delivering multiple closely spaced  | 607/5   |                              | Kroll; Mark W.              |

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|              |       |          | defibrillation pulses   |         |                  |                             |
| US 5376103 A | USPAT | 19941227 | Electrode system for implantable defibrillator  | 607/5   |                  | Anderson; Kenneth M. et al. |
| US 5366487 A | USPAT | 19941122 | Fibrillation and tachycardia detection  | 607/5   | 600/518          | Adams; Theodore P. et al.   |
| US 5366485 A | USPAT | 19941122 | Apparatus for defibrillation pretreatment of a heart  | 607/5   |                  | Kroll; Mark W. et al.       |
| US 5366484 A | USPAT | 19941122 | Short-pulse cardioversion system for an implantable cardioverter defibrillator                            | 607/5   |                  | Kroll; Mark W.              |
| US 5351687 A | USPAT | 19941004 | Method and apparatus for non-invasively determining a patient's susceptibility to ventricular arrhythmias | 600/409 |                  | Kroll; Mark W. et al.       |
| US 5342399 A | USPAT | 19940830 | Implantable defibrillator system having a small capacitance valve   | 607/5   |                  | Kroll; Mark W.              |
| US 5336245 A | USPAT | 19940809 | Storage interrogation apparatus for cardiac data  | 607/32  | 128/904          | Adams Theodore P. et al.    |
| US 5334219 A | USPAT | 19940802 | Method and apparatus for separate-capacitor cardioversion   | 607/5   |                  | Kroll; Mark W.              |
| US 5330509 A | USPAT | 19940719 | Method and apparatus for far-field tachycardia termination  | 607/14  |                  | Kroll; Mark W. et al.       |
| US 5325870 A | USPAT | 19940705 | Multiplexed defibrillation electrode apparatus  | 607/122 |                  | Kroll; Mark W. et al.       |
| US 5314448 A | USPAT | 19940524 | Process for defibrillation pretreatment of a heart  | 607/5   |                  | Kroll; Mark W. et al.       |
| US 5312443 A | USPAT | 19940517 | Arrhythmia-detection criteria process for a cardioverter/defibrillator                                    | 607/5   | 128/925; 600/518 | Adams; Theodore P. et al.   |
| US 5306291 A | USPAT | 19940426 | Optimal energy steering for an implantable defibrillator  | 607/5   |                  | Kroll; Mark W. et al.       |
| US 5300110 A | USPAT | 19940405 | Dirk-based epicardial defibrillation electrode  | 607/130 |                  | Latterell; Scott T. et al.  |

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| US 5265623 A | USPAT | 19931130 | Optimized field defibrillation catheter   | 607/122 |                                     | Kroll; Mark W. et al.       |
| US 5258906 A | USPAT | 19931102 | System for remotely authorizing operation of a device and for automatically generating an invoice based on device usage | 705/2   | 379/106.02;<br>379/93.12;<br>705/34 | Kroll; Mark W. et al.       |
| US 5257634 A | USPAT | 19931102 | Low impedance defibrillation catheter electrode   | 607/122 | 607/128                             | Kroll; Mark W.              |
| US 5241960 A | USPAT | 19930907 | Defibrillator pulse generator   | 607/5   |                                     | Anderson; Kenneth M. et al. |
| US 5199429 A | USPAT | 19930406 | Implantable defibrillator system employing capacitor switching networks   | 607/5   |                                     | Kroll; Mark W. et al.       |
| US 5188116 A | USPAT | 19930223 | Electrocardiographic method and device  | 600/509 | 600/516;<br>600/517                 | Pommrehn; Mark R. et al.    |
| US 5117834 A | USPAT | 19920602 | Method and apparatus for non-invasively determining a patients susceptibility to ventricular arrhythmias                | 600/518 |                                     | Kroll; Mark W. et al.       |
| US 4956877 A | USPAT | 19900911 | Optical fiber reflective signal modulation system   | 398/170 | 398/141;<br>398/168;<br>398/169     | Kroll; Mark W. et al.       |
| US 4947859 A | USPAT | 19900814 | Bio-acoustic signal sensing device  | 600/528 | 381/355;<br>381/364;<br>600/586     | Brewer; James E. et al.     |
| US 4890630 A | USPAT | 19900102 | Bio-electric noise cancellation system  | 600/508 | 128/902;<br>128/905                 | Kroll; Mark W. et al.       |
| US 4879760 A | USPAT | 19891107 | Optical fiber transmissive signal modulation system   | 398/168 | 340/870.29                          | Kroll; Mark W. et al.       |
| US 4832608 A | USPAT | 19890523 | Electrode belt adapter  | 439/67  | 439/465;<br>600/390;<br>600/394     | Kroll; Mark W.              |
| US 4811156 A | USPAT | 19890307 | Medical current limiter   | 361/58  | 361/101;<br>600/509                 | Kroll; Mark W.              |
| US 4775018 A | USPAT | 19881004 | Load cell assembly  | 177/134 | 177/211                             | Kroll; William P. et al.    |
| US 4769760 A | USPAT | 19880906 | Terrain biased dynamic  | 702/79  | 324/76.39;                          | Kroll; Mark                 |

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|              |       |          | multiple threshold<br>synchronization method<br>and apparatus |         | 324/76.44;<br>327/41;<br>340/825.2;<br>375/317;<br>375/371;<br>600/525 | W. et al.                      |
| US 4763660 A | USPAT | 19880816 | Flexible and disposable<br>electrode belt device              | 600/391 | 439/77;<br>600/397;<br>607/149;<br>607/152                             | Kroll; Mark<br>W. et al.       |
| US 4744369 A | USPAT | 19880517 | Medical current limiting<br>circuit                           | 600/509 | 128/908;<br>323/312;<br>323/908;<br>327/313;<br>361/18;<br>361/58      | Kroll; Mark<br>W.              |
| US 4714121 A | USPAT | 19871222 | Wheel scale assembly  | 177/134 | 177/164;<br>177/255  | Kroll;<br>William P.<br>et al. |
| US 4672977 A | USPAT | 19870616 | Lung sound cancellation<br>method and apparatus               | 600/528 | 600/390;<br>600/586  | Kroll; Mark<br>W.              |
| US 4672976 A | USPAT | 19870616 | Heart sound sensor  | 600/528 | 381/364;<br>381/385;<br>600/586  | Kroll; Mark<br>W.              |